

Fig 1(a)

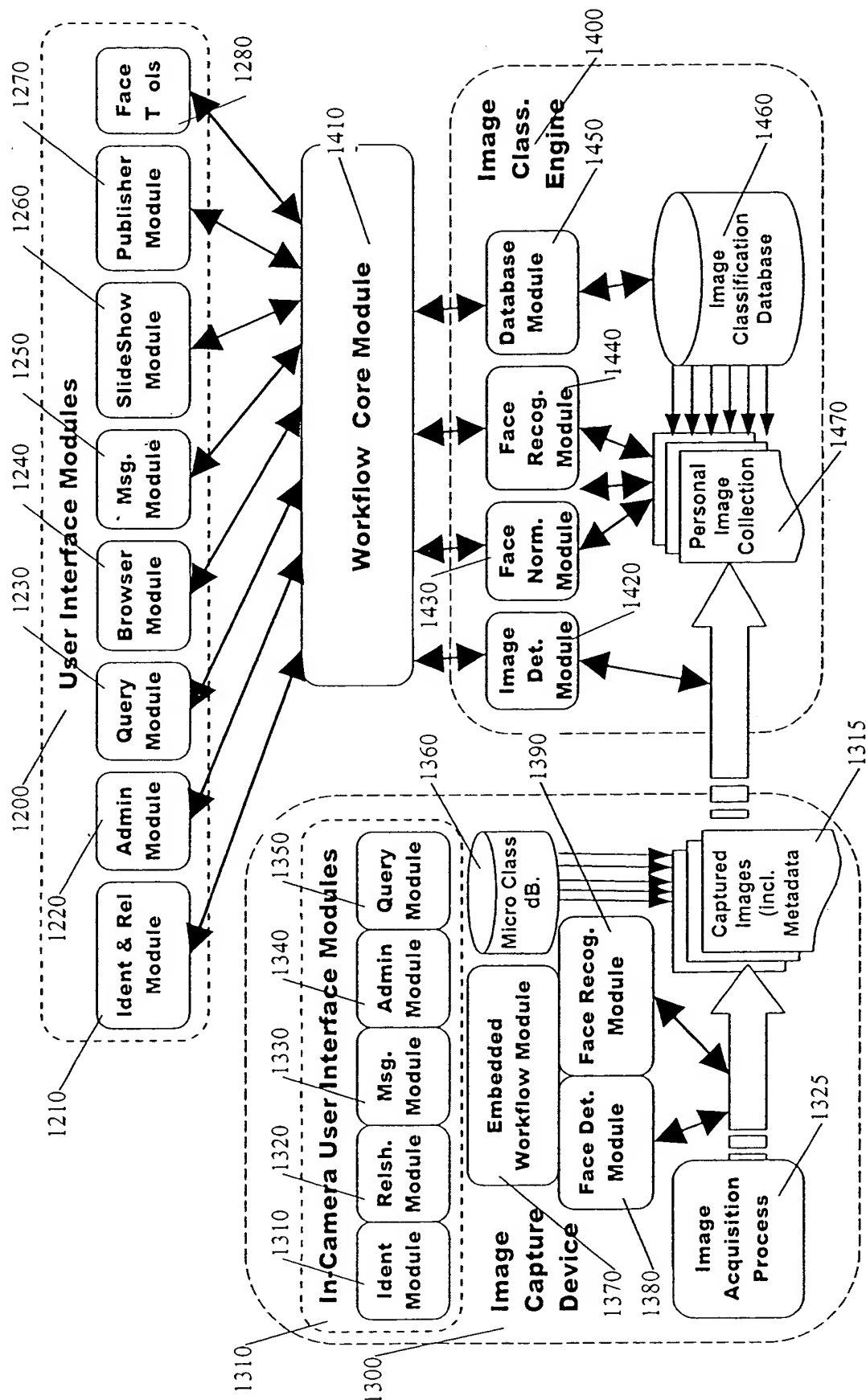


Fig 1(b)

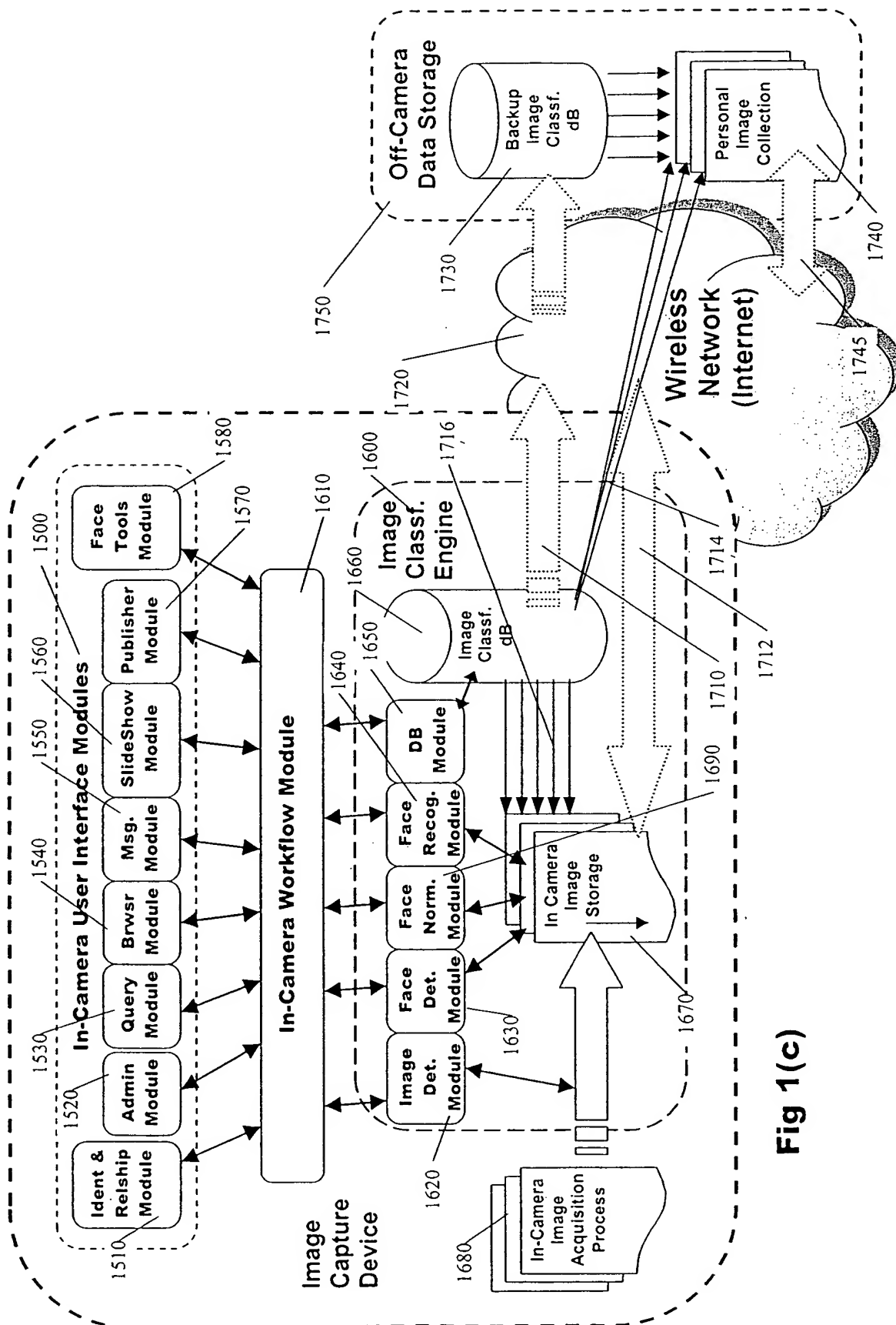


Fig 1(c)

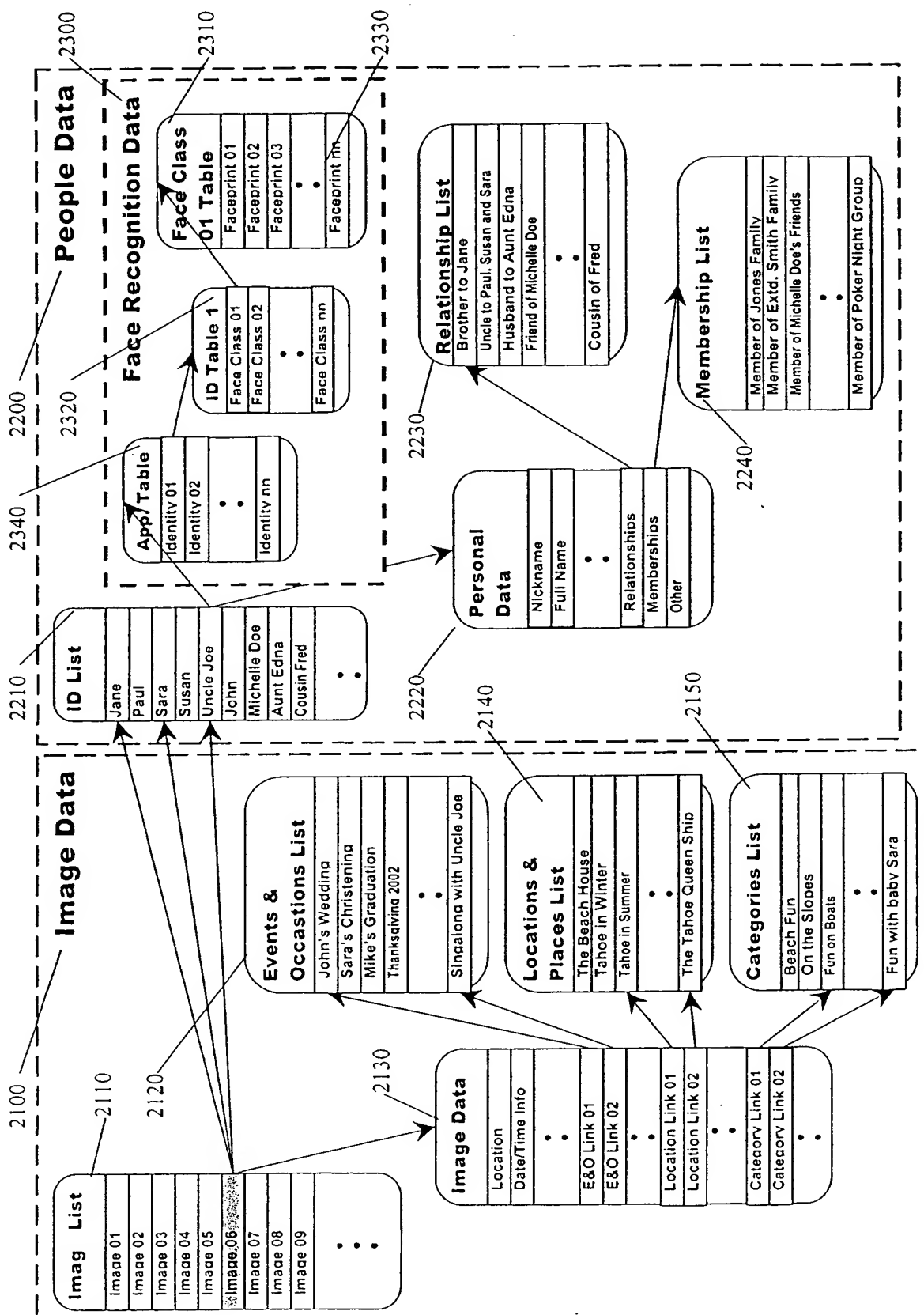


Fig 2(a)

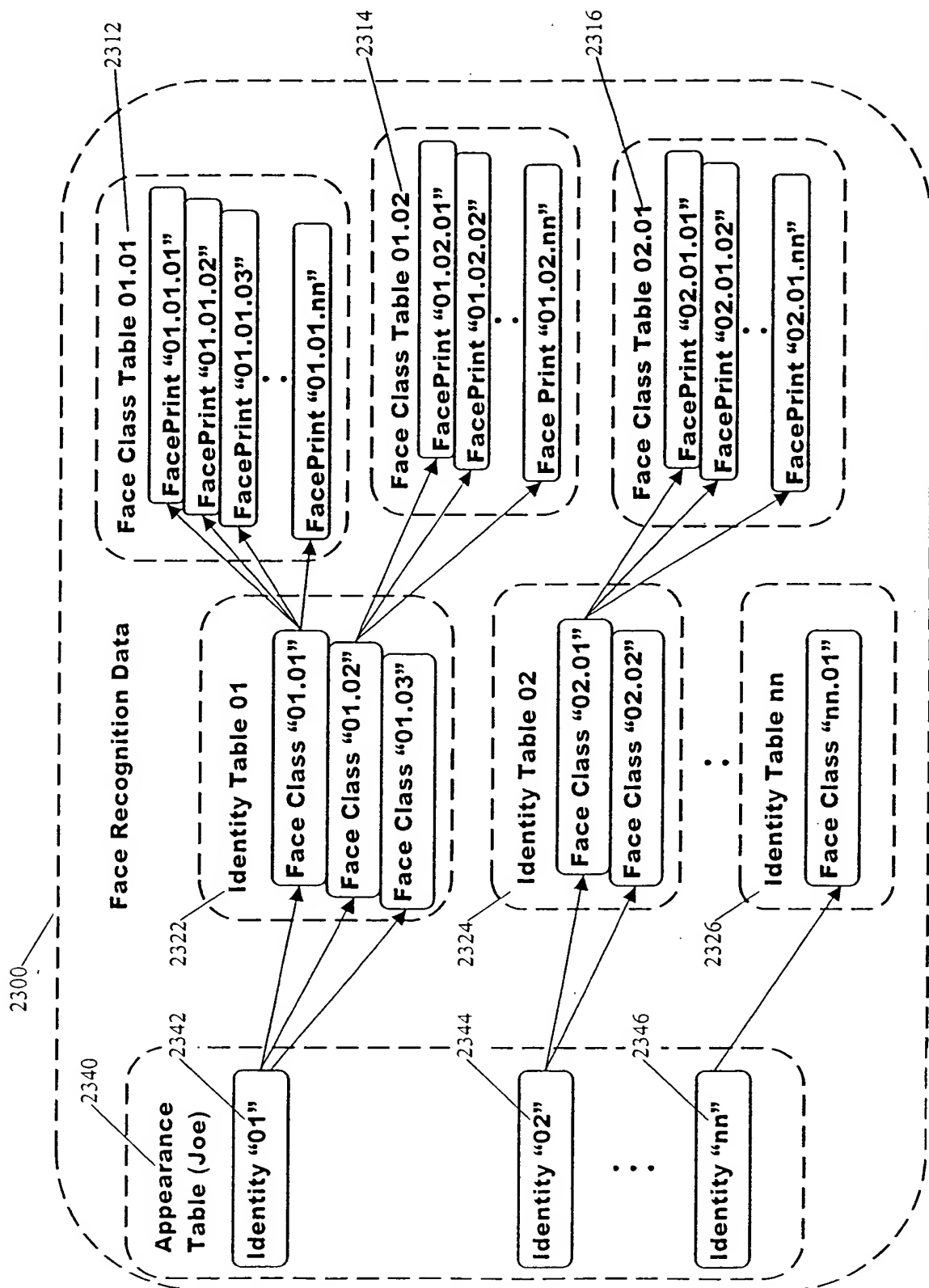


Fig 2(b)

Face Detection Workflow (Detection Module)

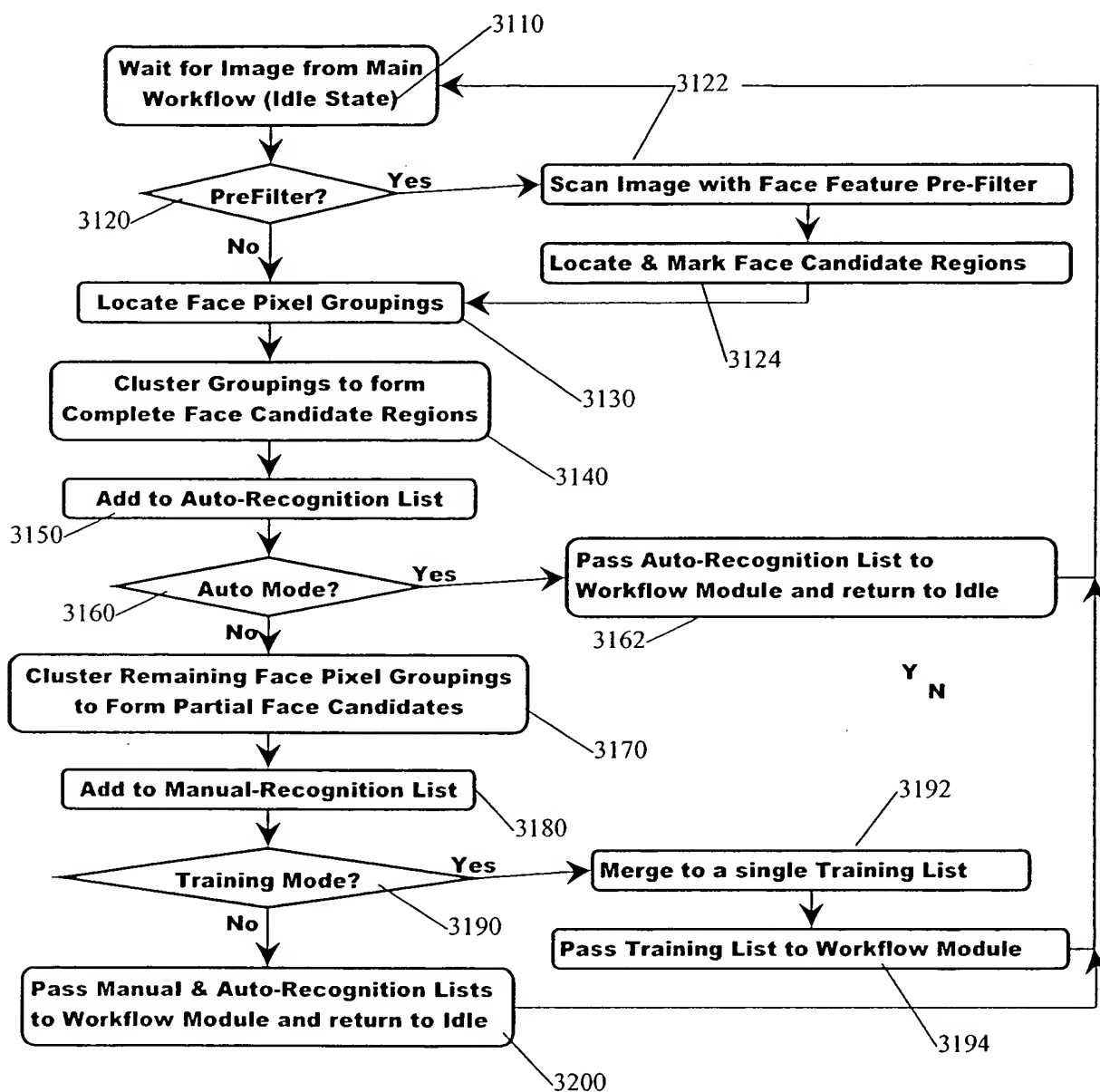


Fig 3

Core System Workflow (Workflow Module I)

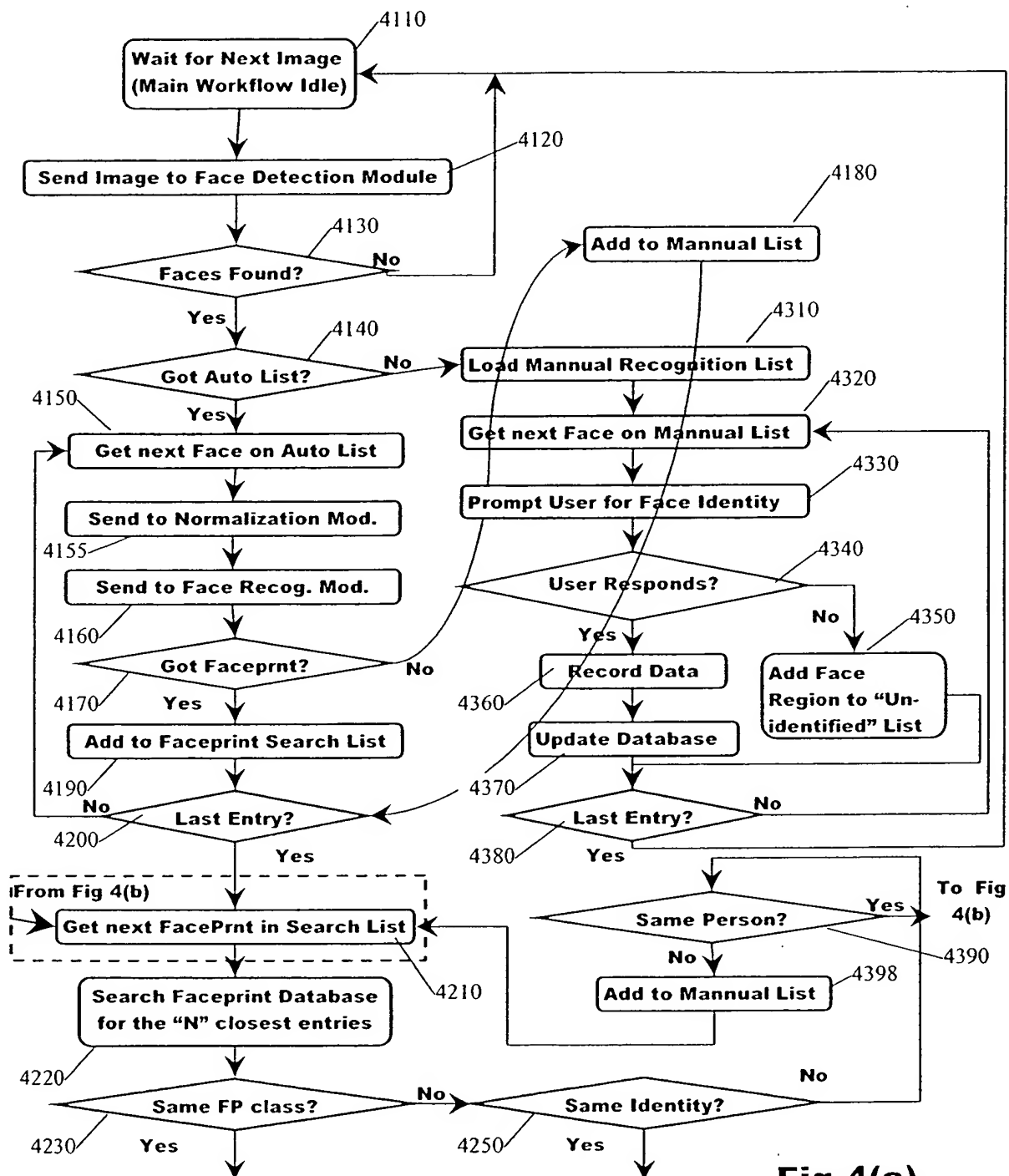


Fig 4(a)

Core System Workflow (Workflow Module II)

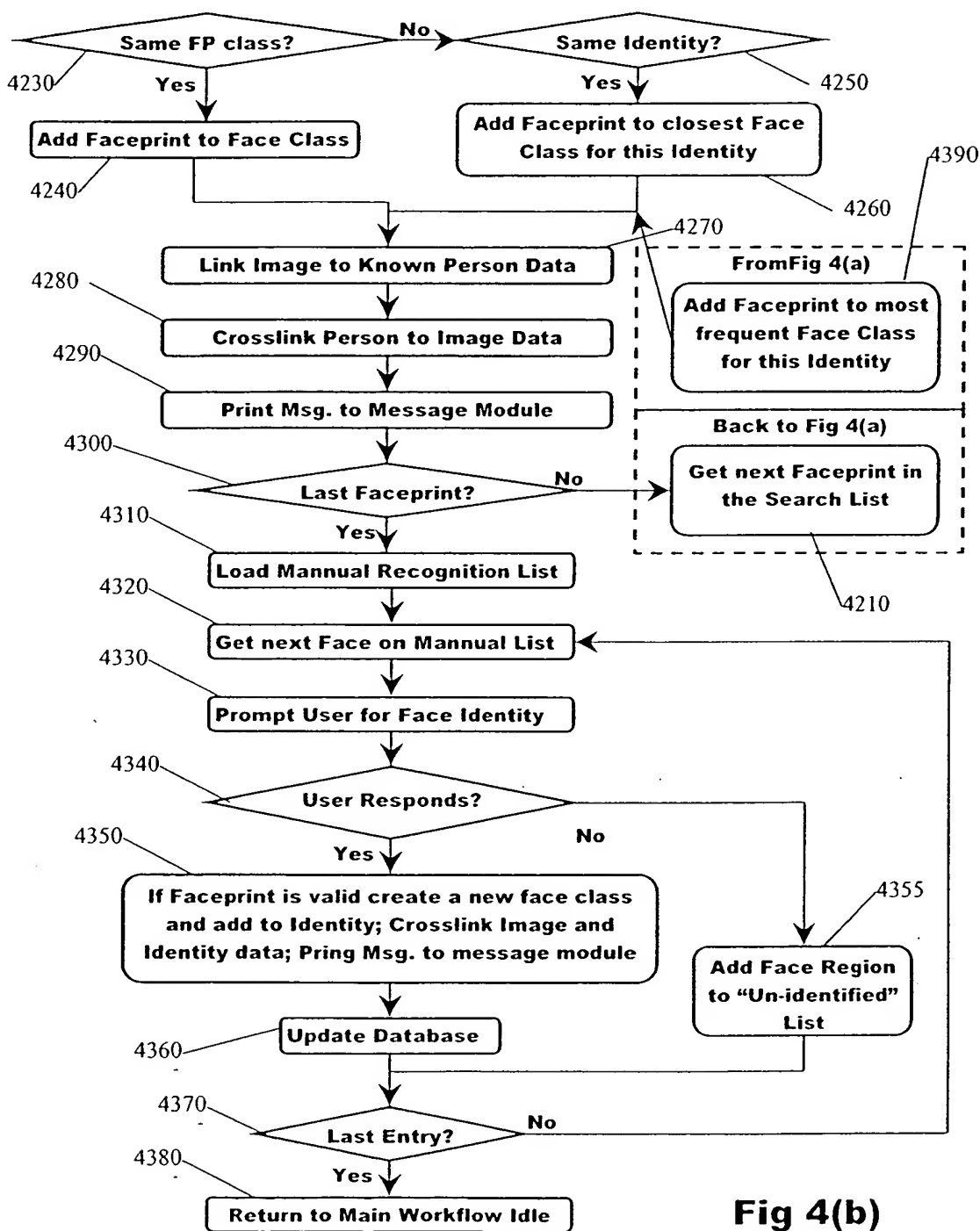


Fig 4(b)

Face Normalization Module (Mode A)

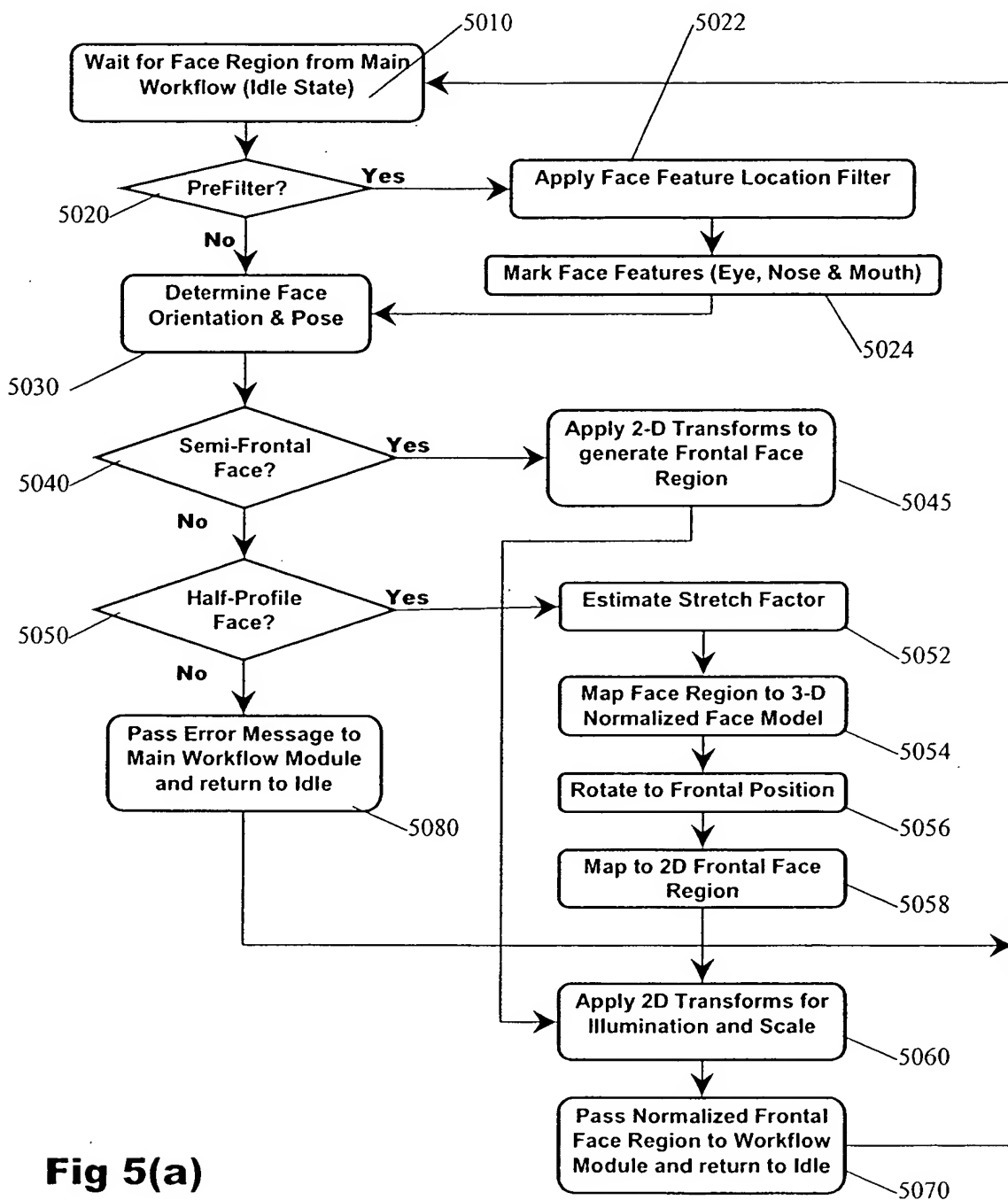


Fig 5(a)

Face Normalization Module (Mode B)

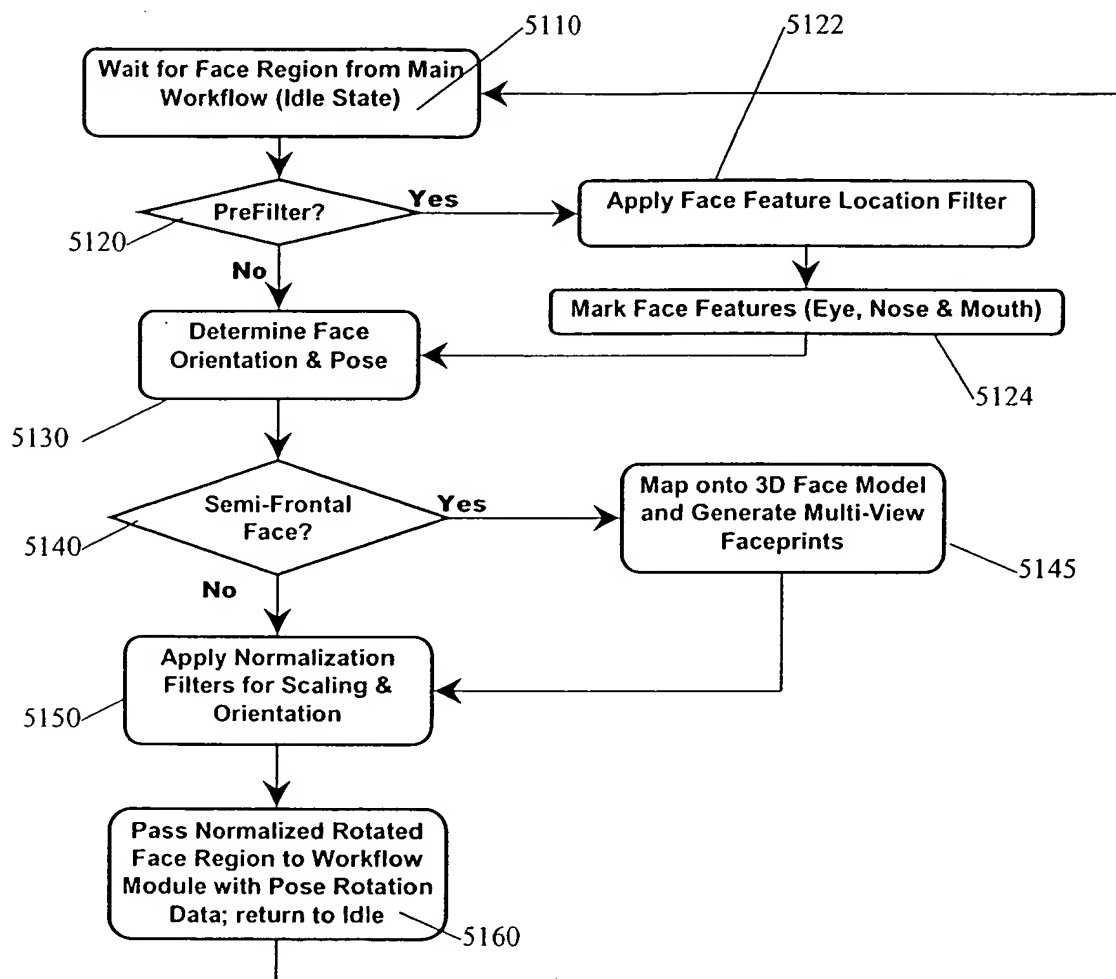


Fig 5(b)



Fig 6(a)

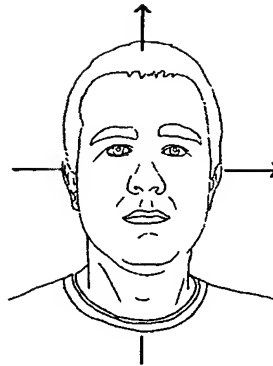


Fig 6(b)

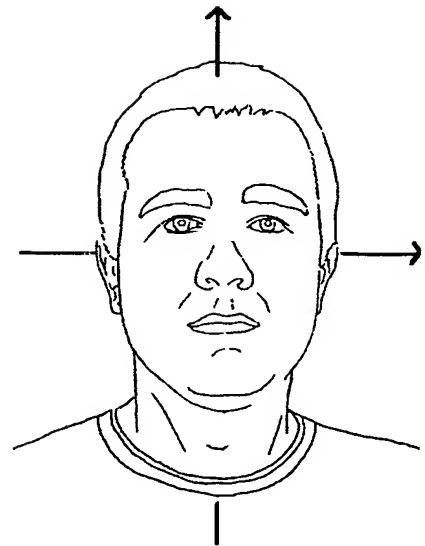


Fig 6(c)

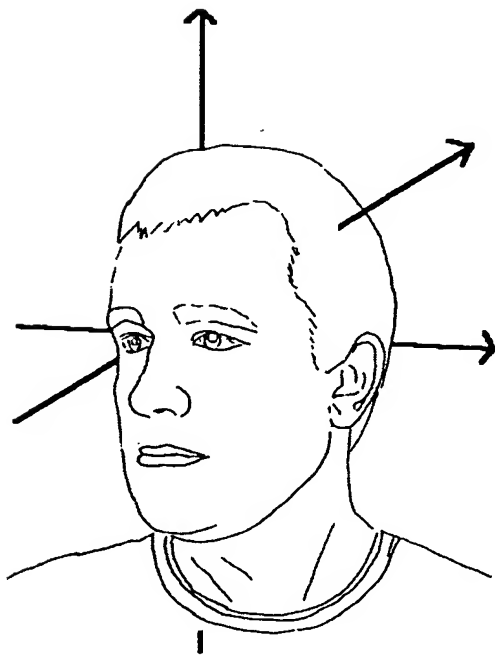


Fig 6(d)

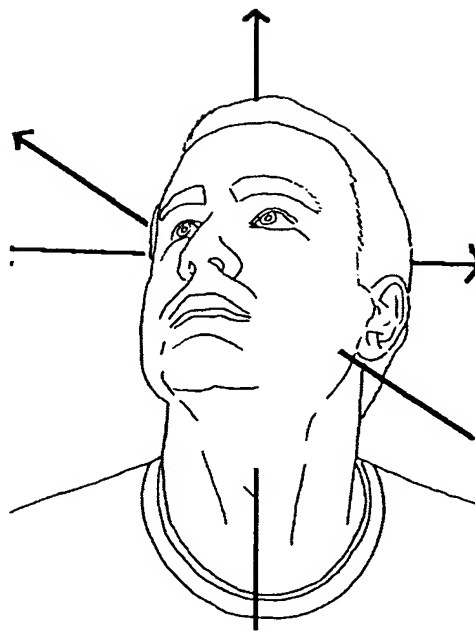


Fig 6(e)



Fig 7(a)

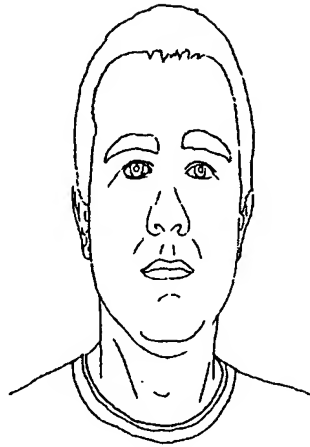


Fig 7(b)



Fig 7(c)

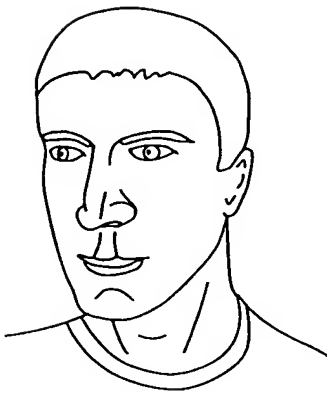


Fig. 7D

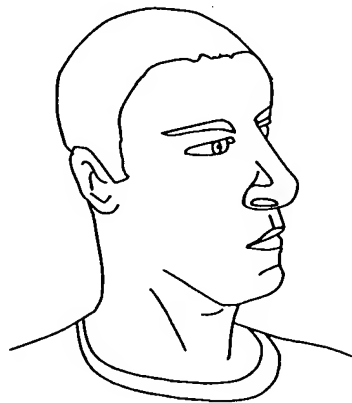


Fig. 7E



Fig. 7F

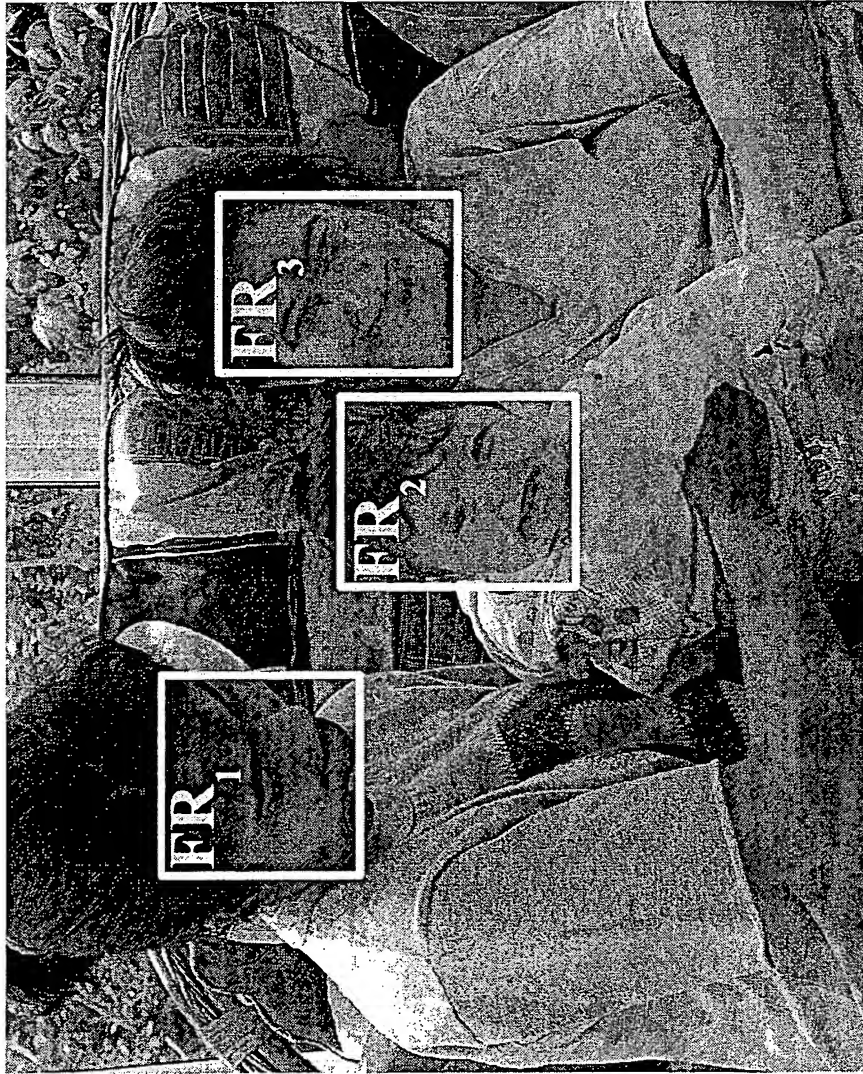


Fig 8(a)

Fig 8(b)

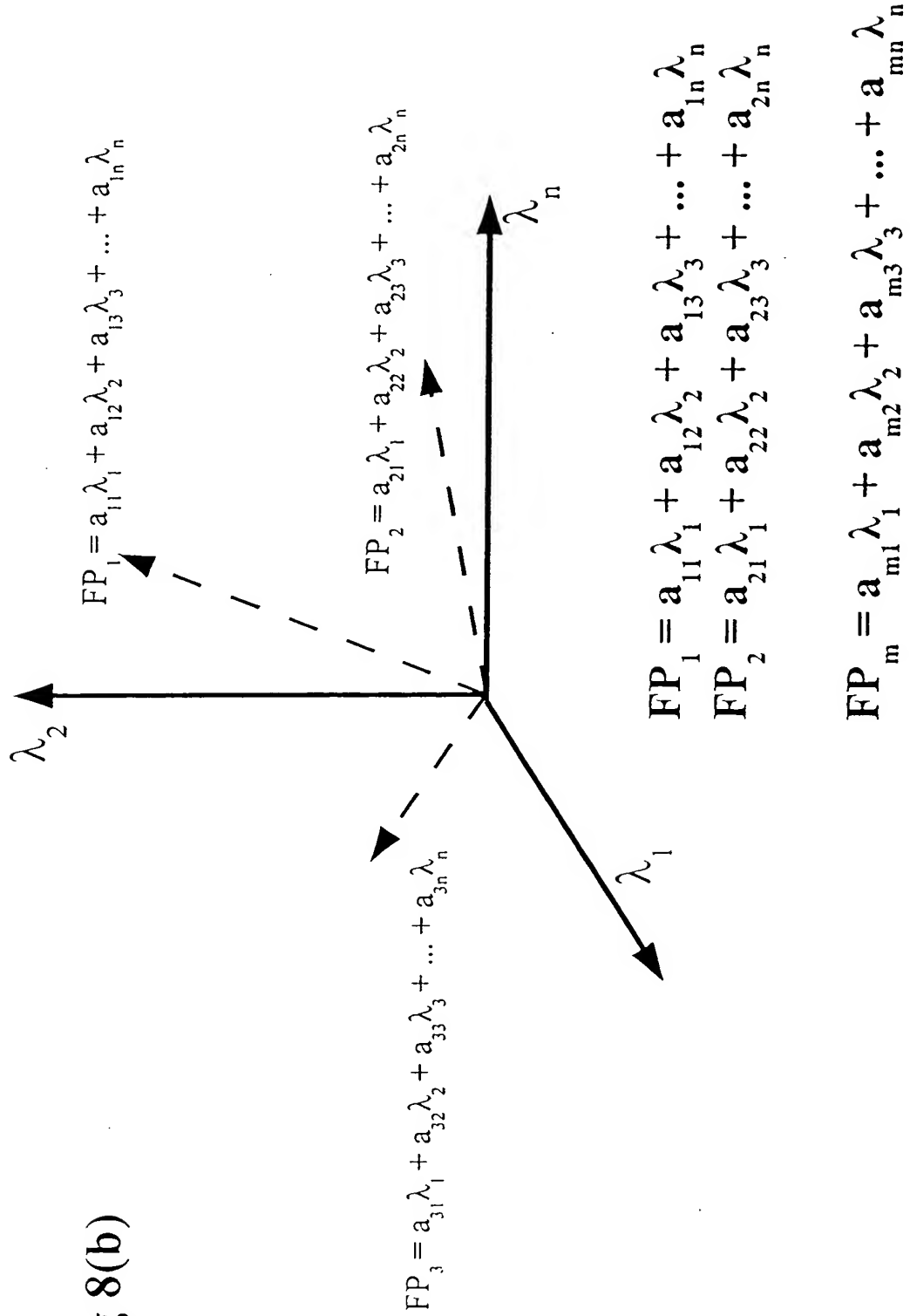


Figure 8(e)

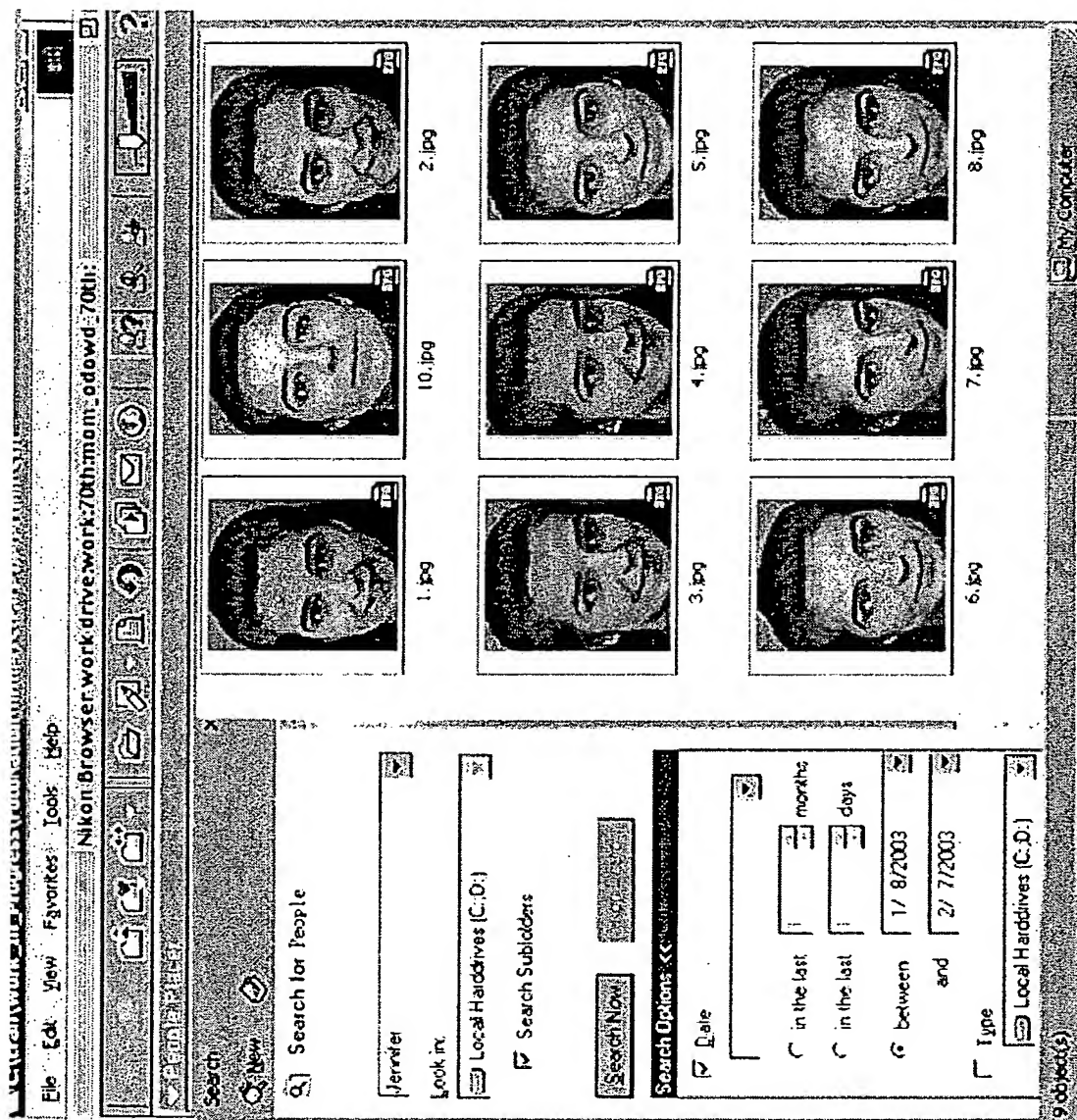


Fig 9(a)

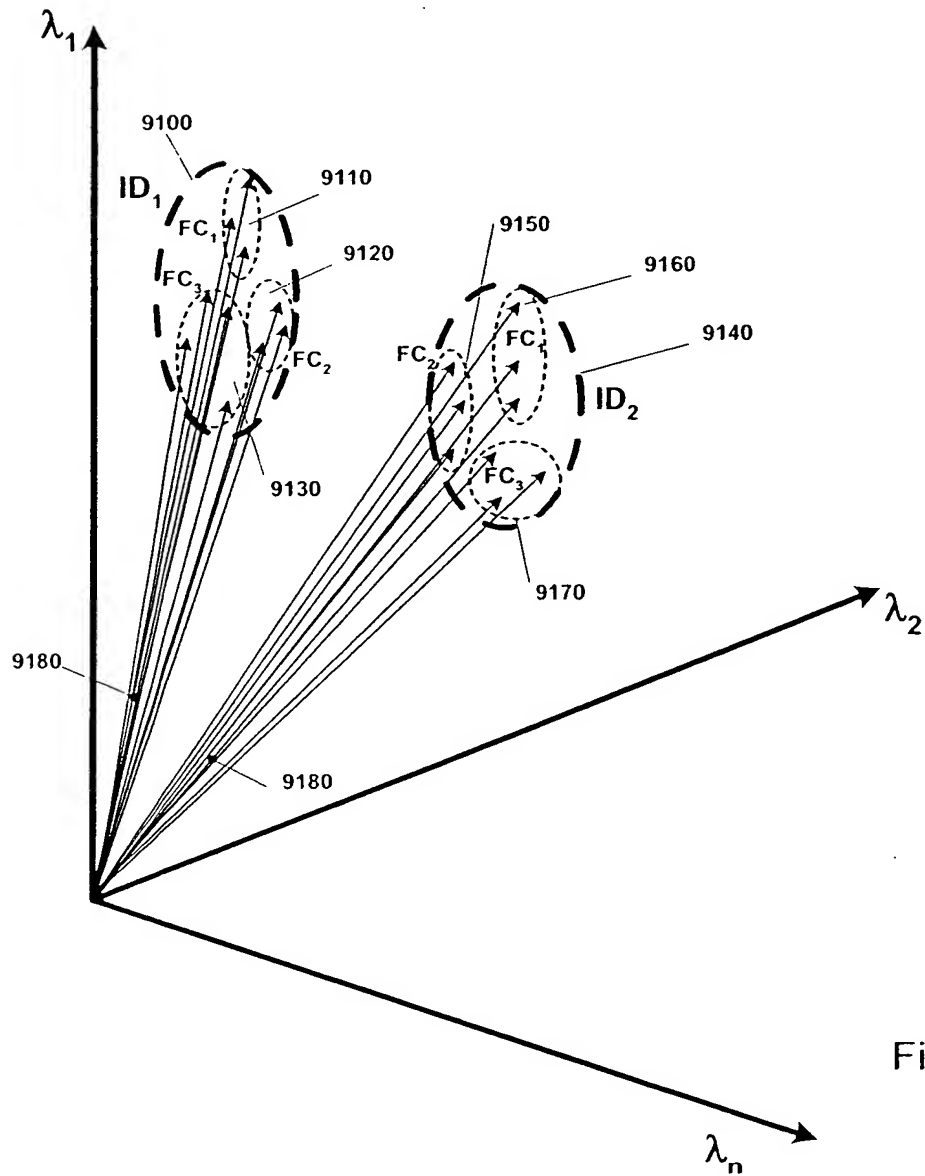
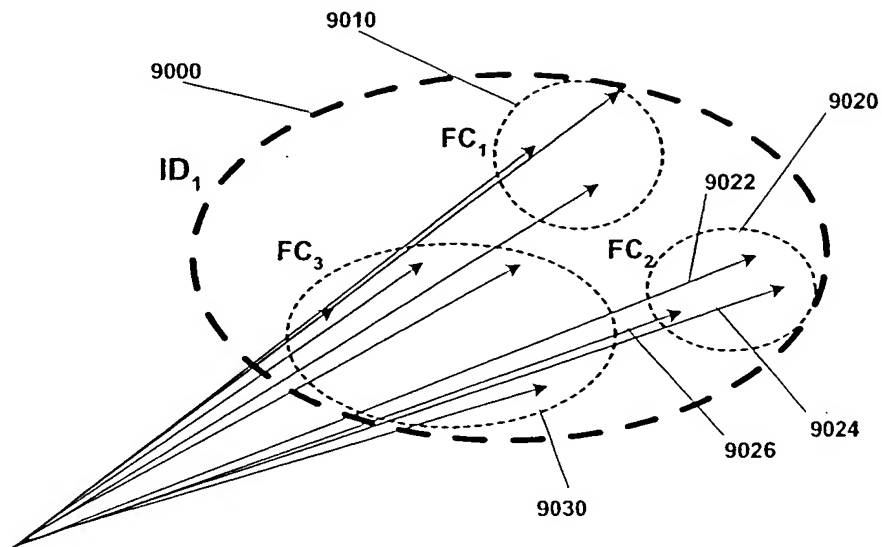


Fig 9(b)

Fig 10(a)

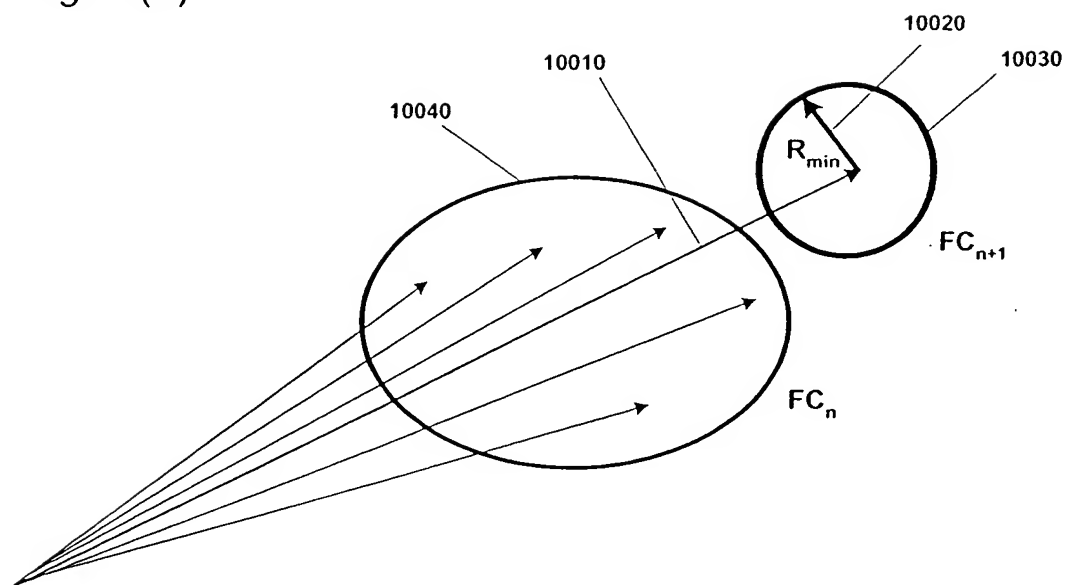
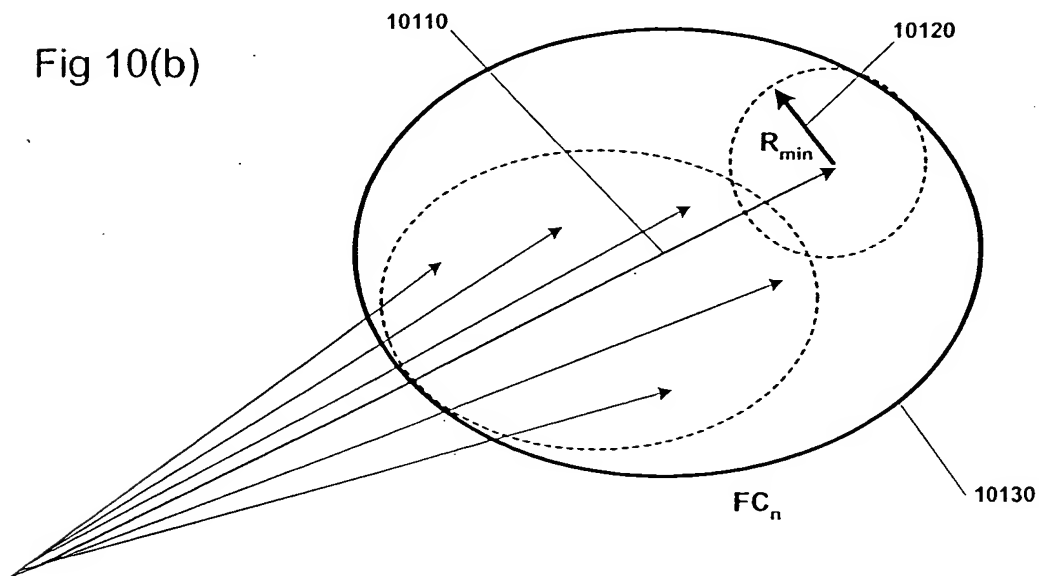


Fig 10(b)



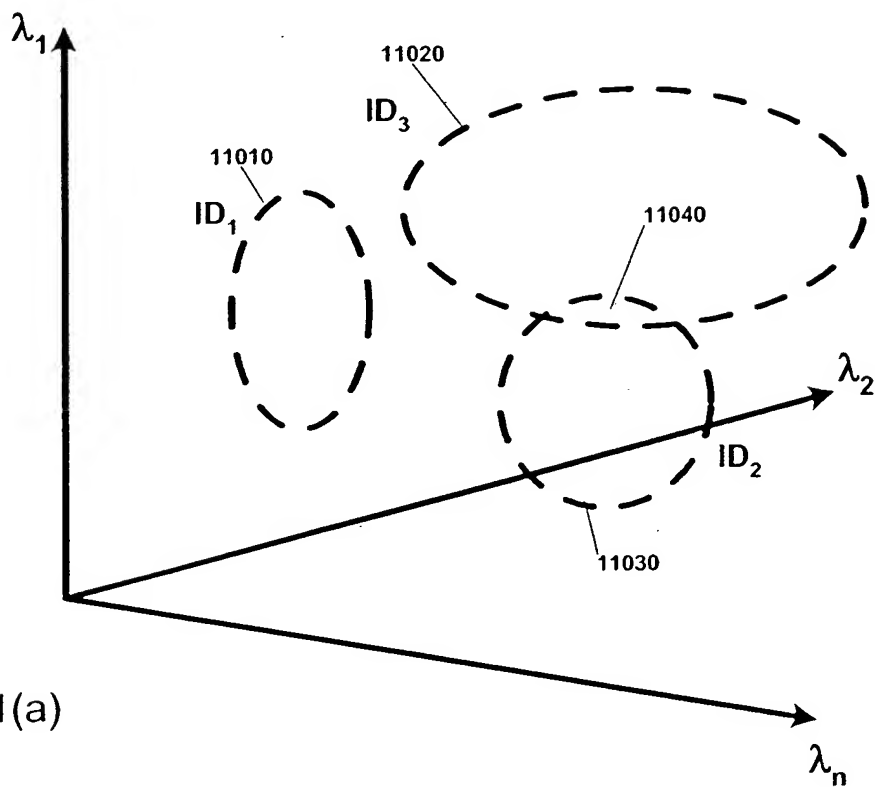


Fig 11(a)

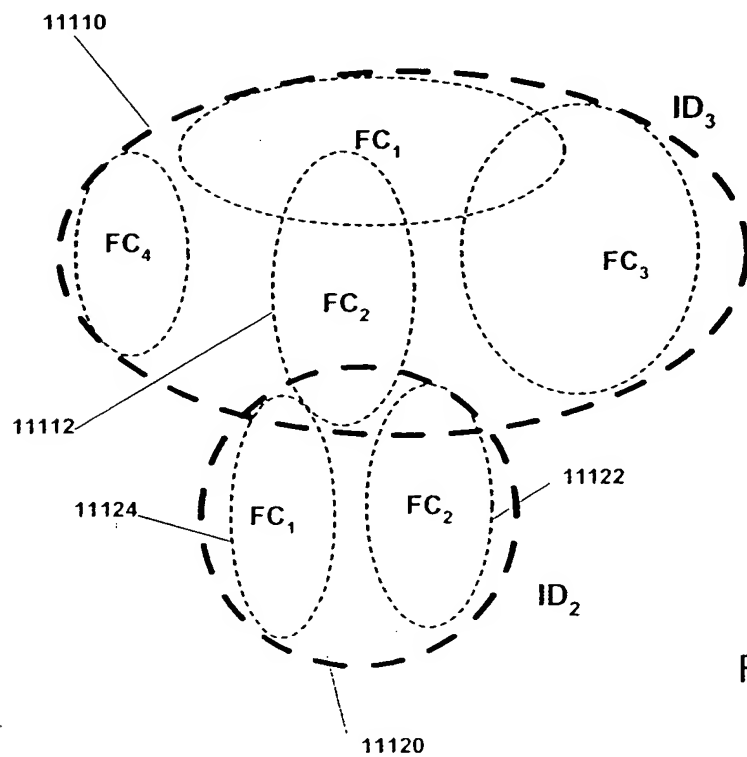


Fig 11(b)

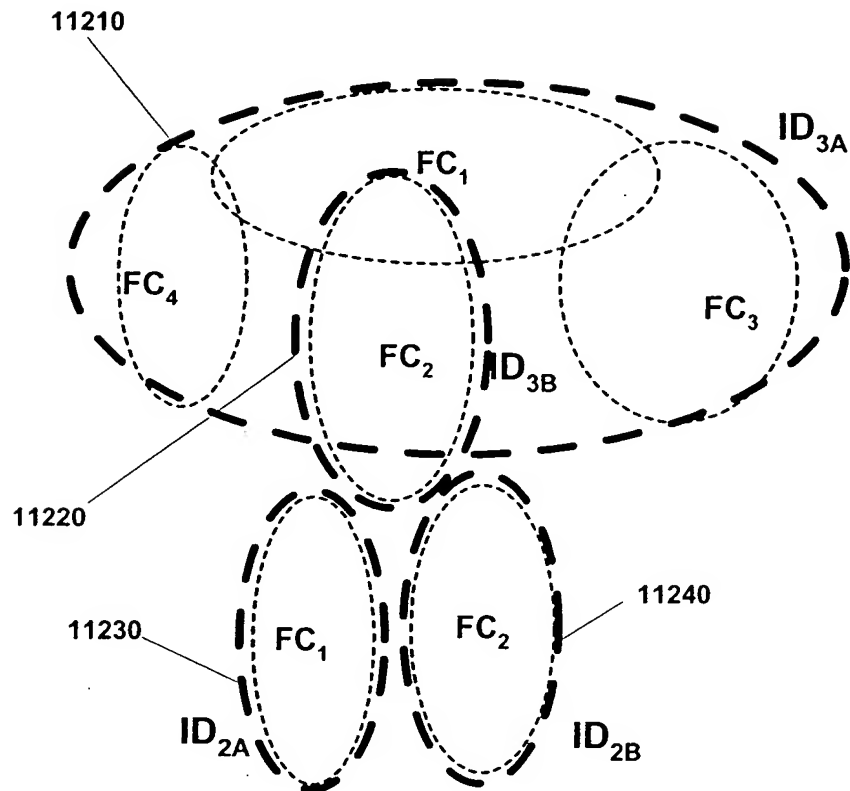


Fig 11(c)

Fig 12(a)

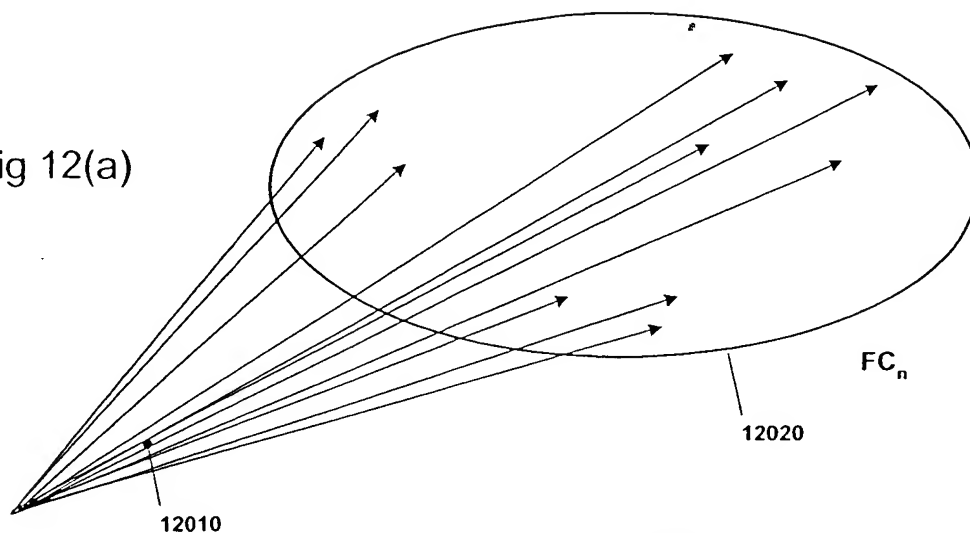


Fig 12(b)

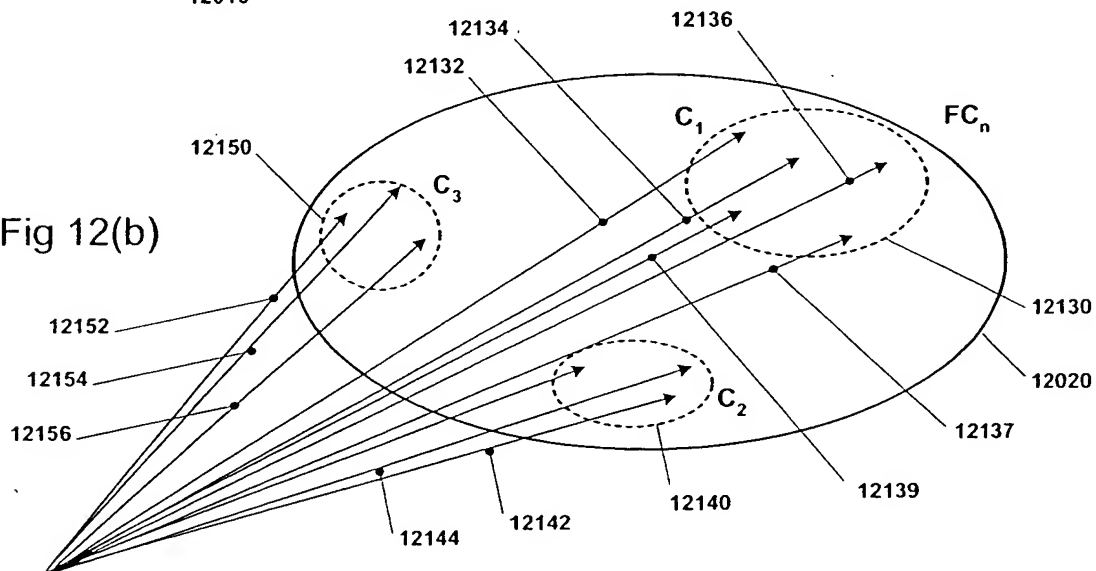


Fig 12(c)

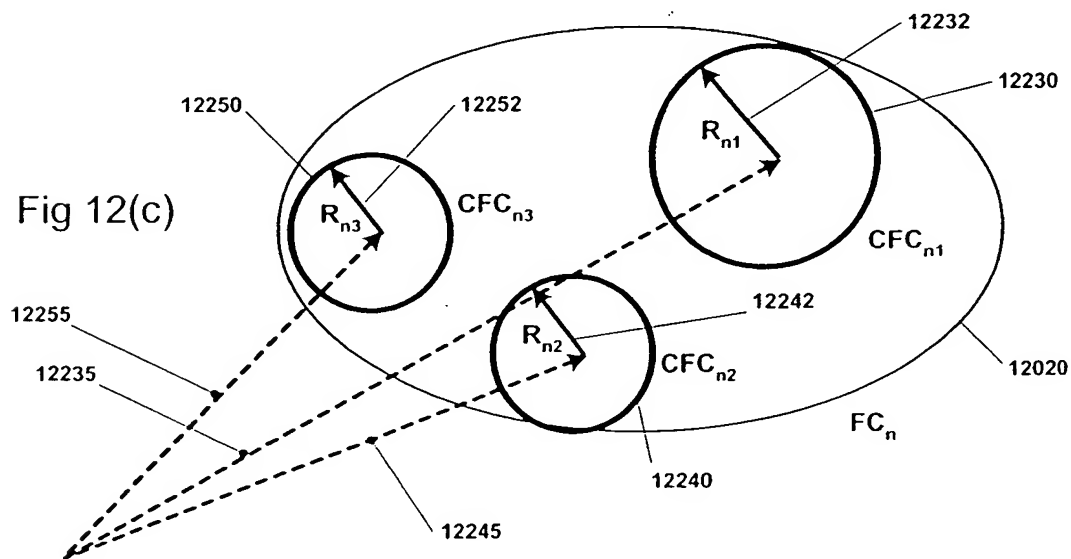


Fig 13(a)

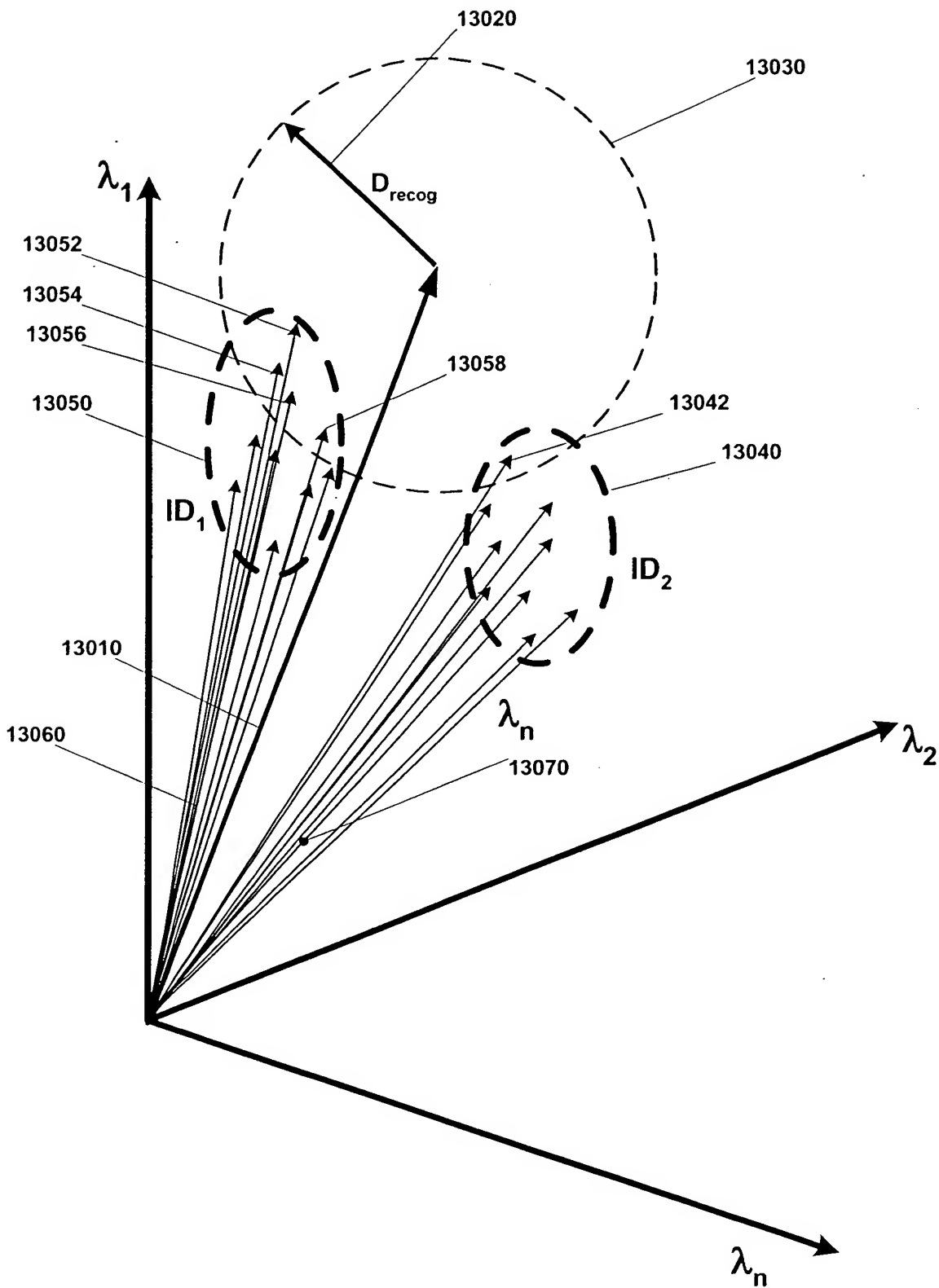


Fig 13(b)

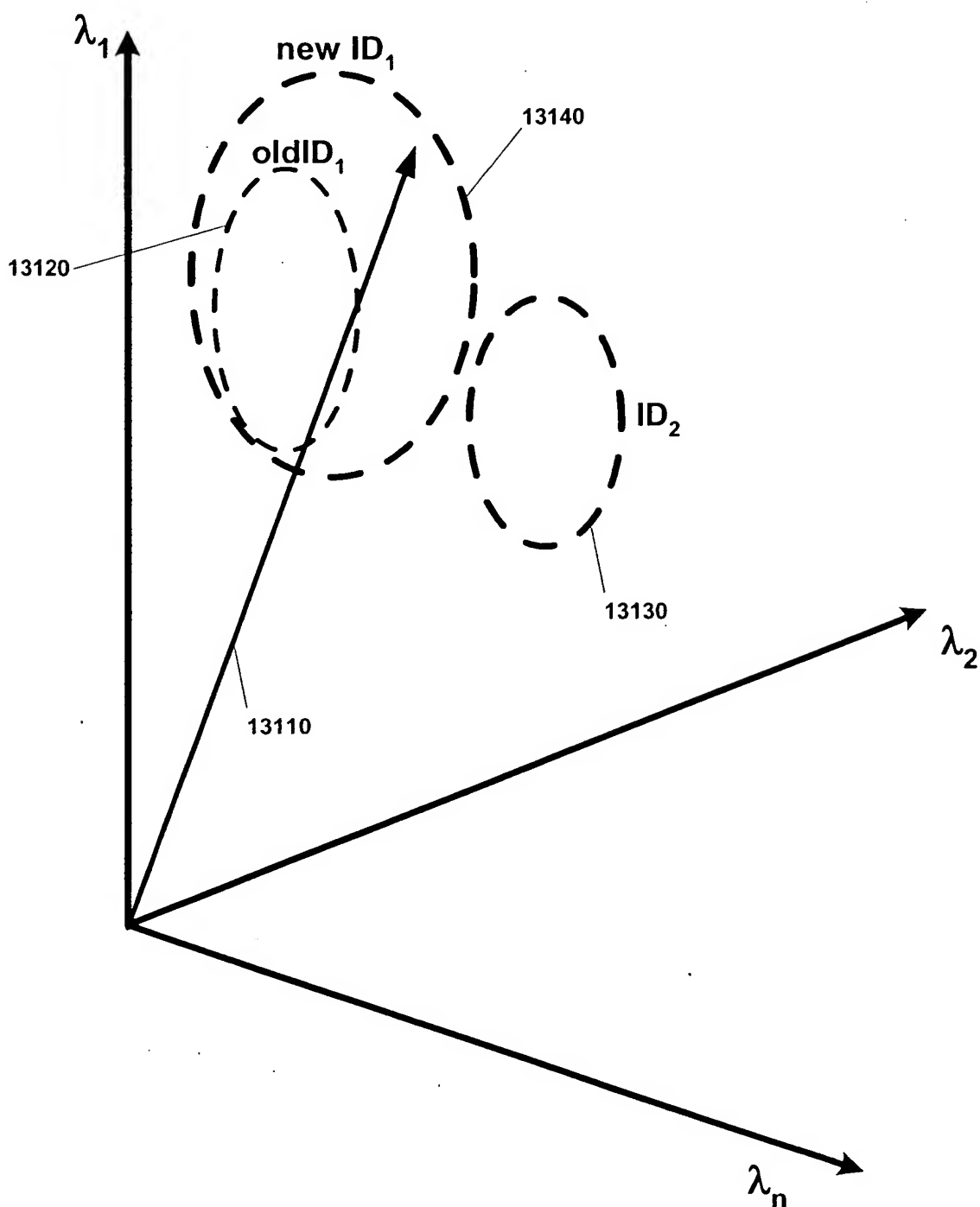
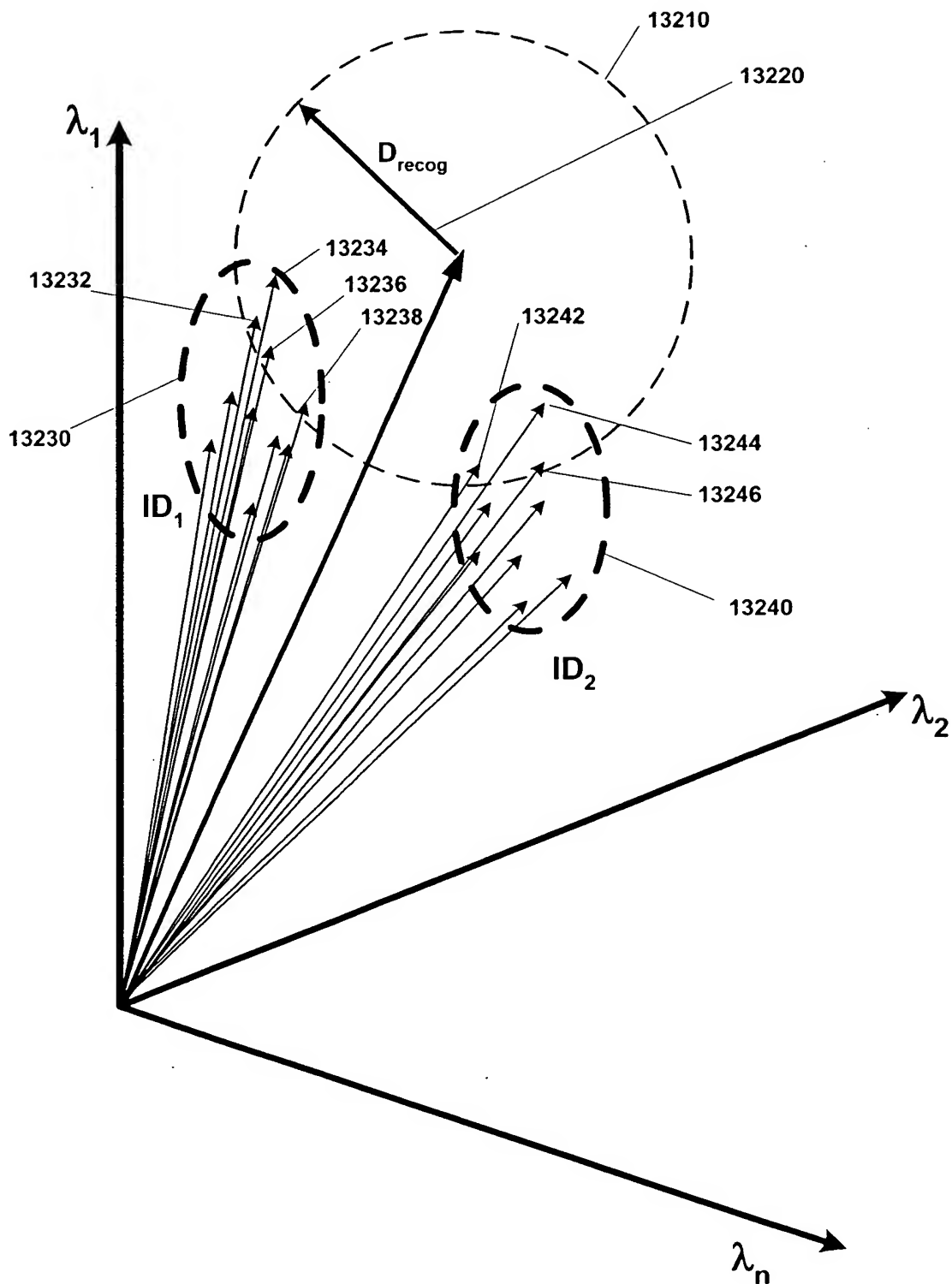
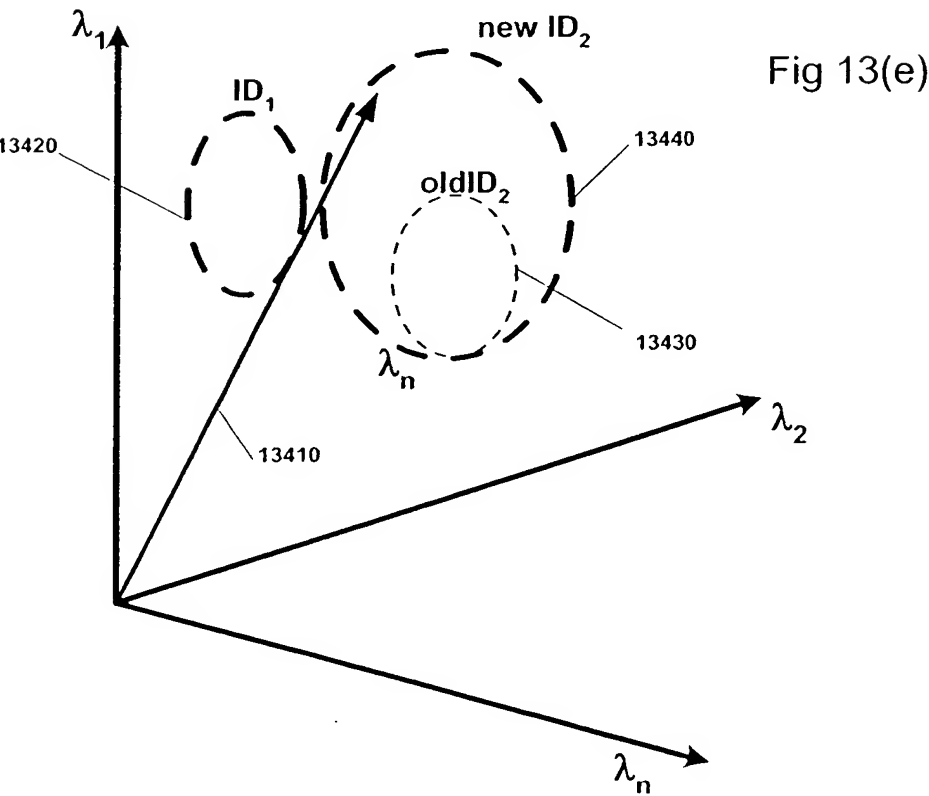
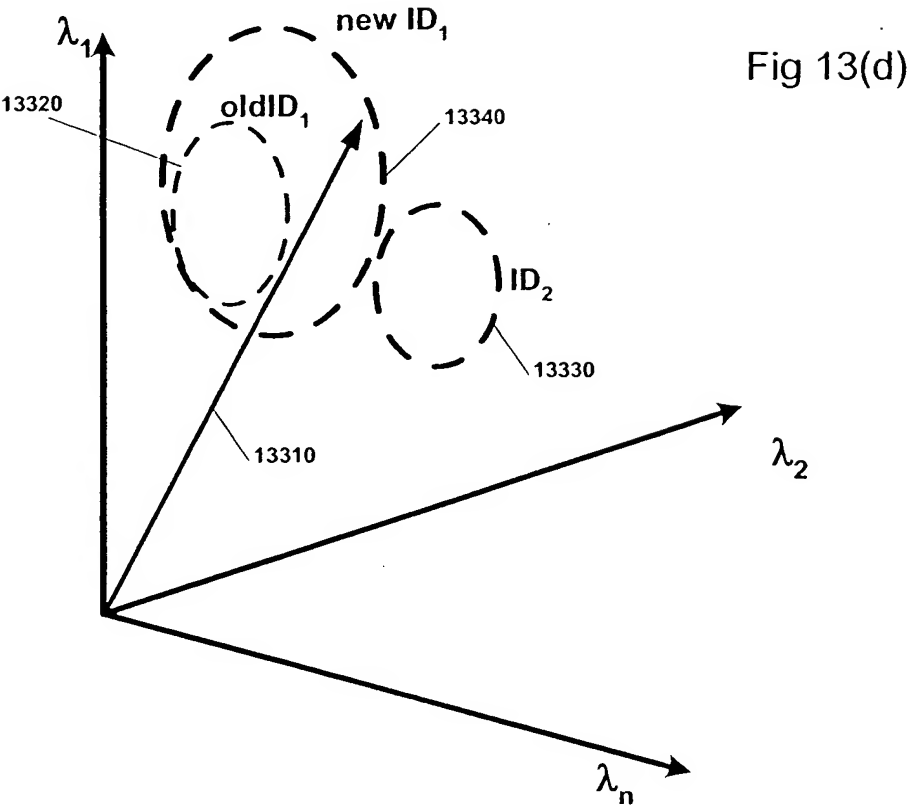


Fig 13(c)





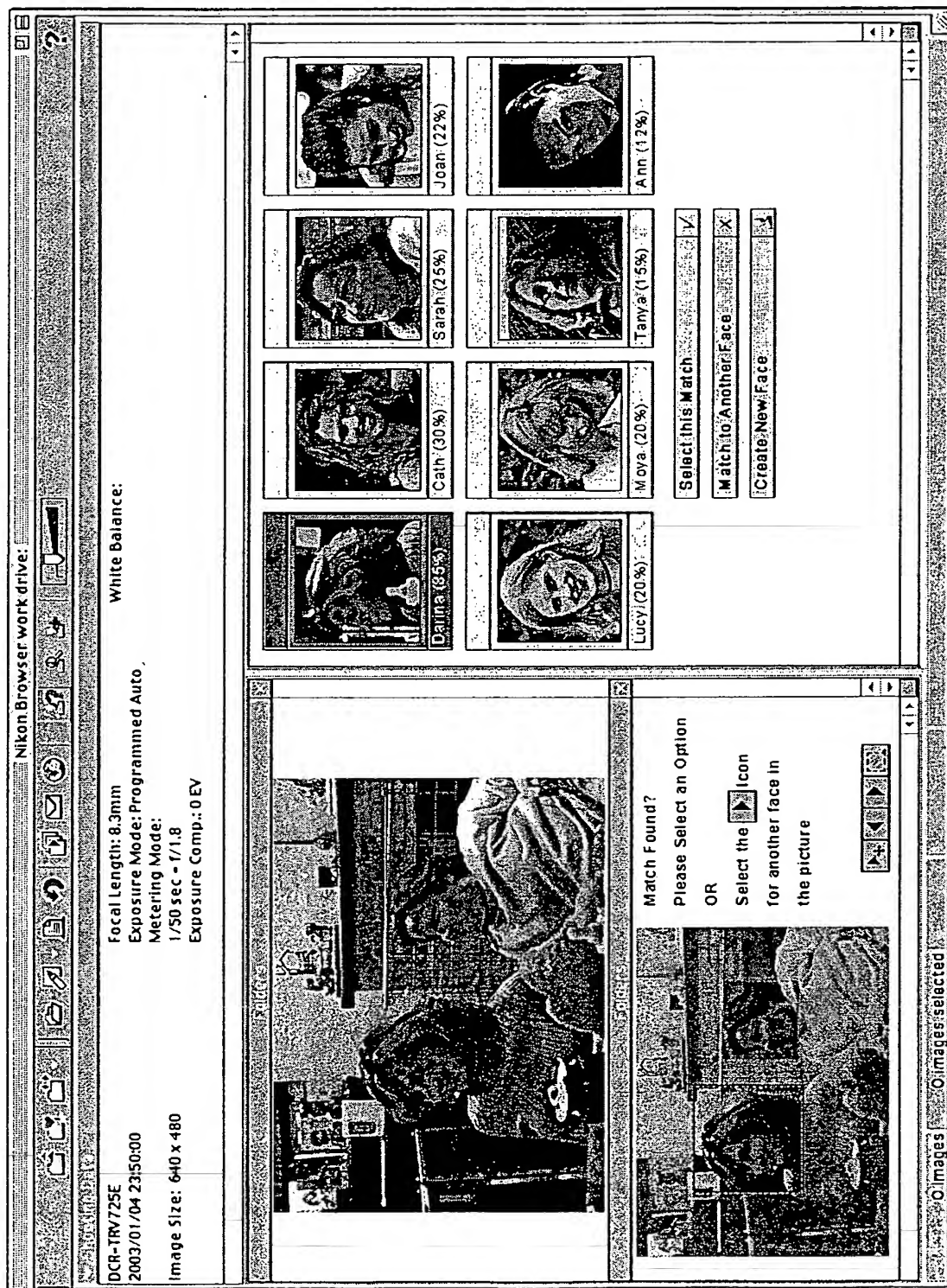


Fig 14(a)

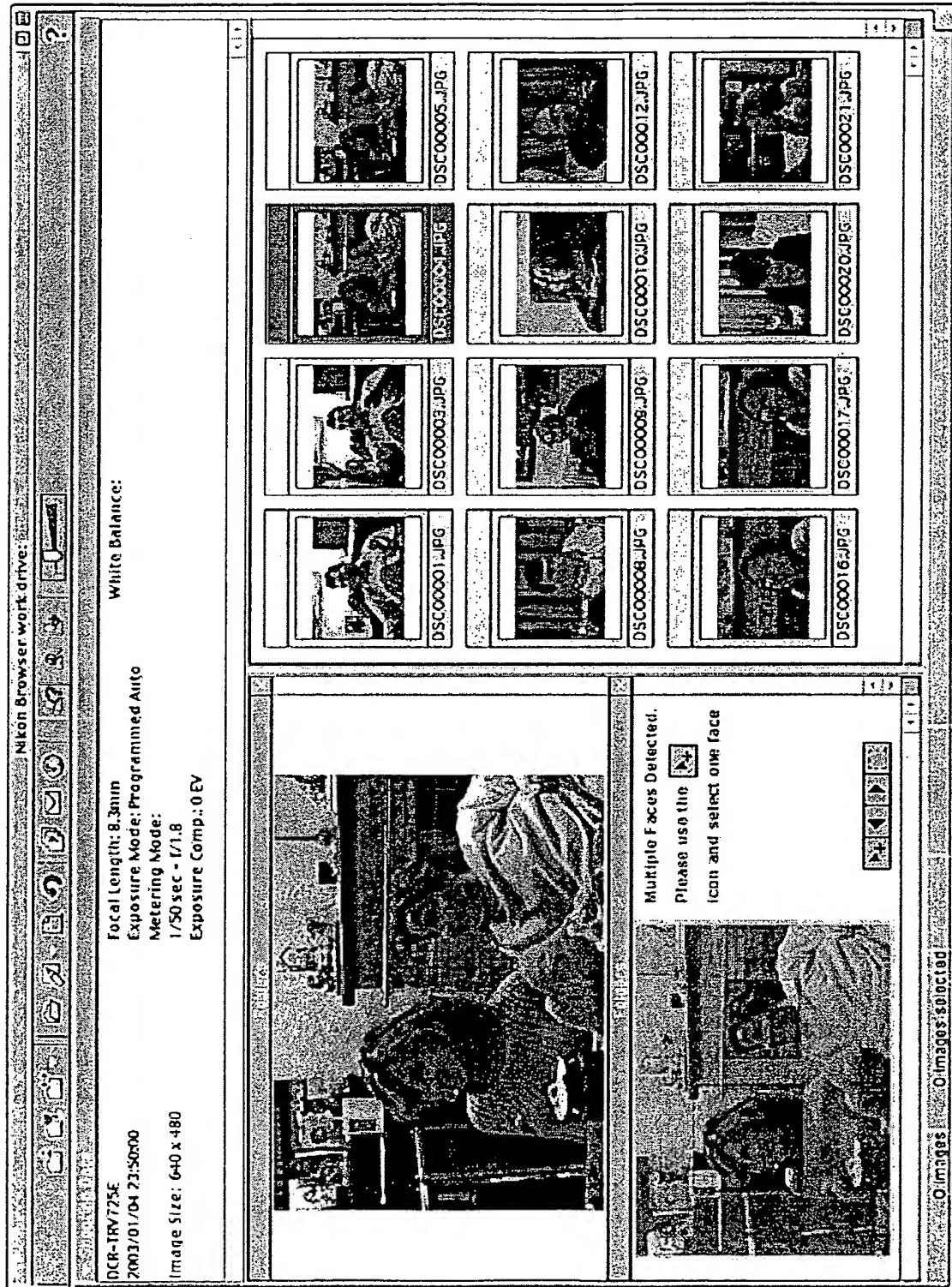


Fig 14(b)

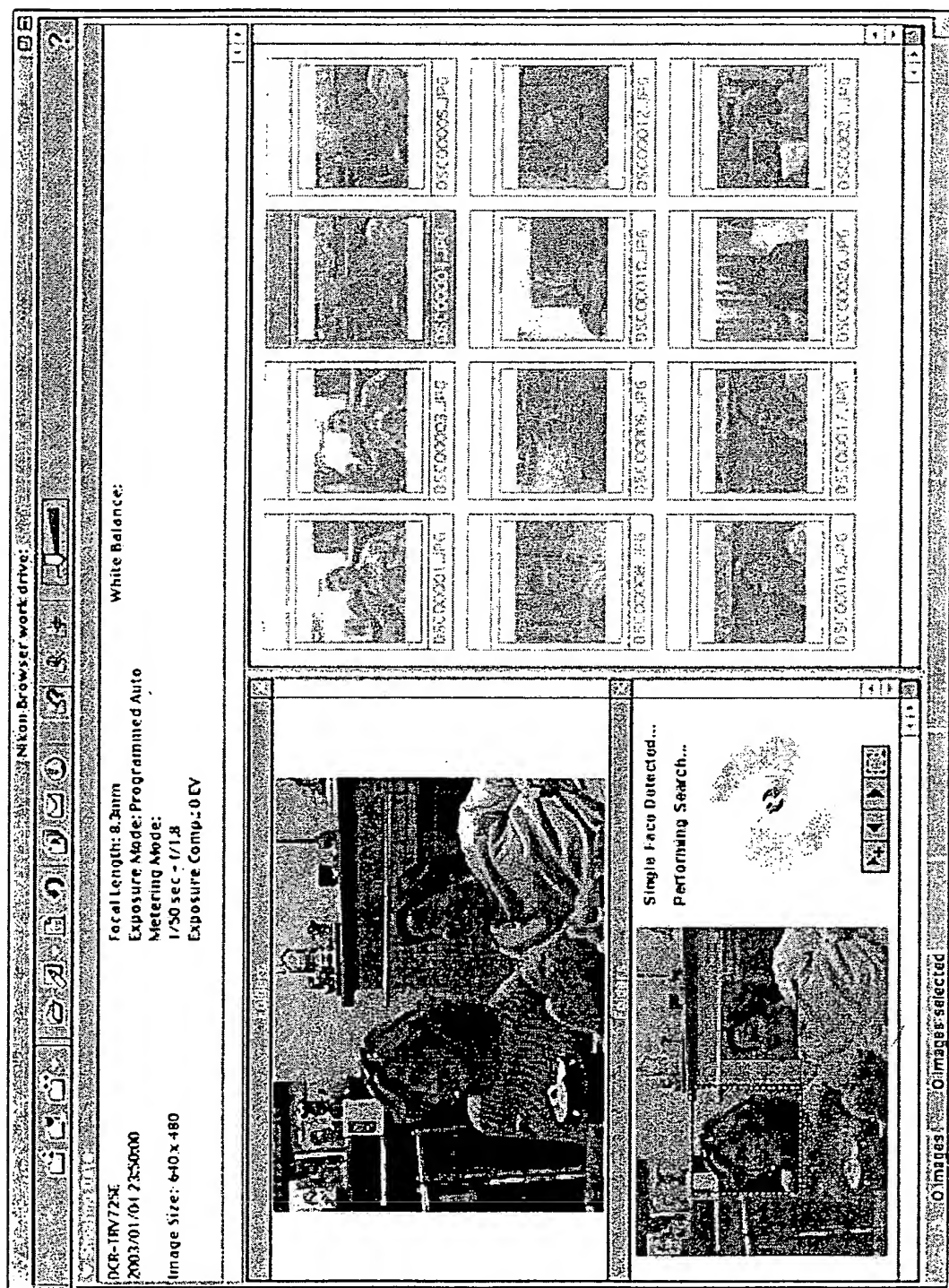


Fig 14 (c)

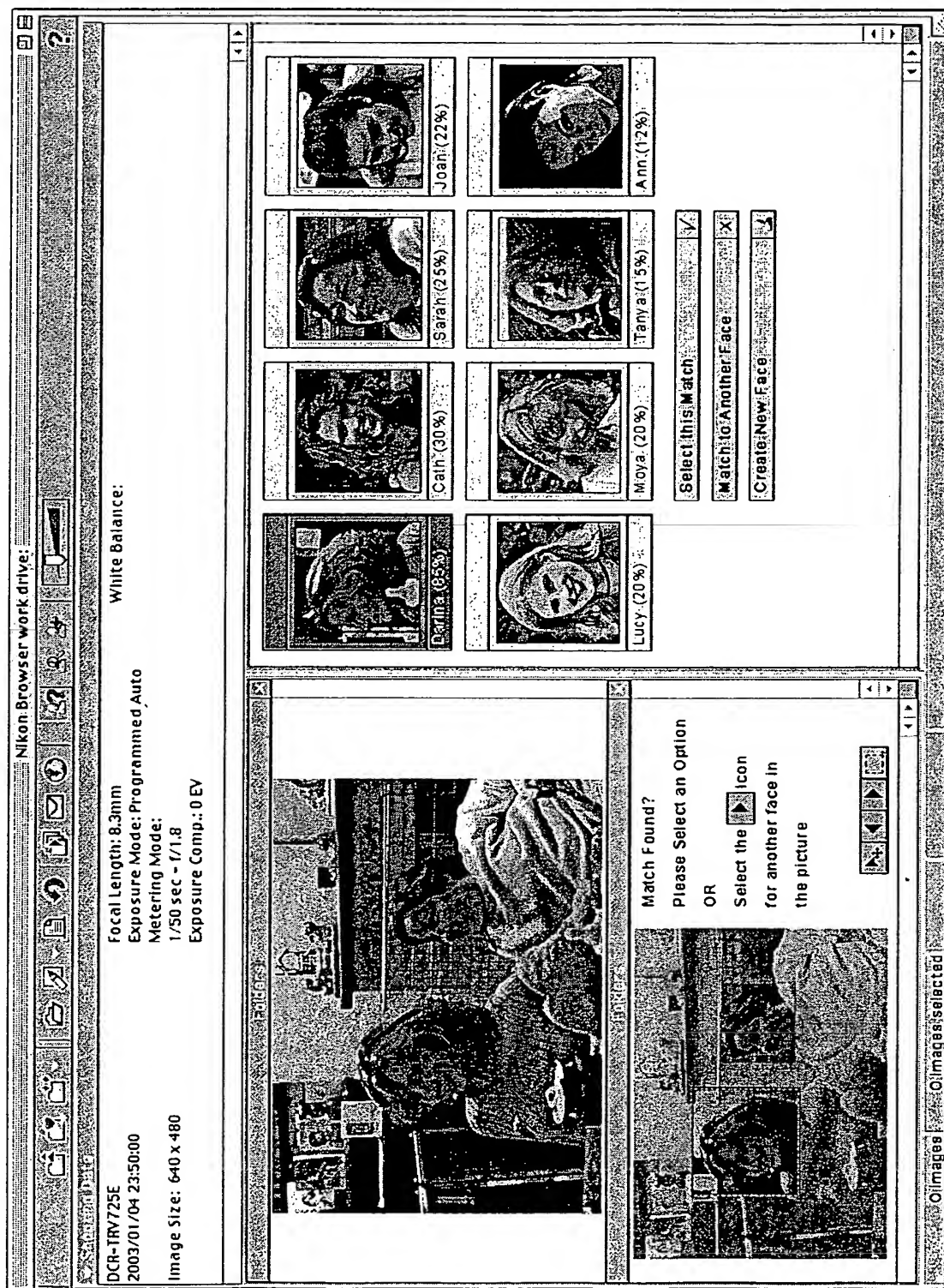


Fig 14(d)